

Become a NASA Explorer School and partner with NASA to bring exciting and unique opportunities to educators, administrators, students, and families. The program will focus on NASA content at grades 4–9.

NASA Explorer School teams, working with NASA personnel and other partners, will develop an action plan that addresses local needs in mathematics, science, and technology, and that incorporates NASA data and materials into their curriculum. Throughout a 3-year commitment, educator teams will implement their action plans, participate in professional development, and involve students and families.

Educators, administrators, and students in a NASA Explorer School will become involved in the excitement of NASA research, discoveries, and missions by:

- participating in engaging NASA learning adventures and scientific challenges,
- solving NASA-related design problems,
- conducting scientific collaborations and discussions, and
- collecting and using authentic NASA data.

NASA Field Centers

Ames Research Center
Moffett Field, California

Dryden Flight Research Center
Edwards, California

Glenn Research Center
Cleveland, Ohio

Goddard Space Flight Center
Greenbelt, Maryland

Jet Propulsion Laboratory
Pasadena, California

Johnson Space Center
Houston, Texas

Kennedy Space Center
Kennedy Space Center, Florida

Langley Research Center
Hampton, Virginia

Marshall Space Flight Center
Huntsville, Alabama

Stennis Space Center
Mississippi

The NASA Explorer Schools program is sponsored and implemented by the National Aeronautics and Space Administration (NASA) through a cooperative agreement with the National Science Teachers Association (NSTA).

NSTA National Science Teachers Association

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For detailed information and the program application, visit
http://explorerschools.nasa.gov
www.nasa.gov

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Merrifield, VA
Permit No. 1276

National Aeronautics and Space Administration

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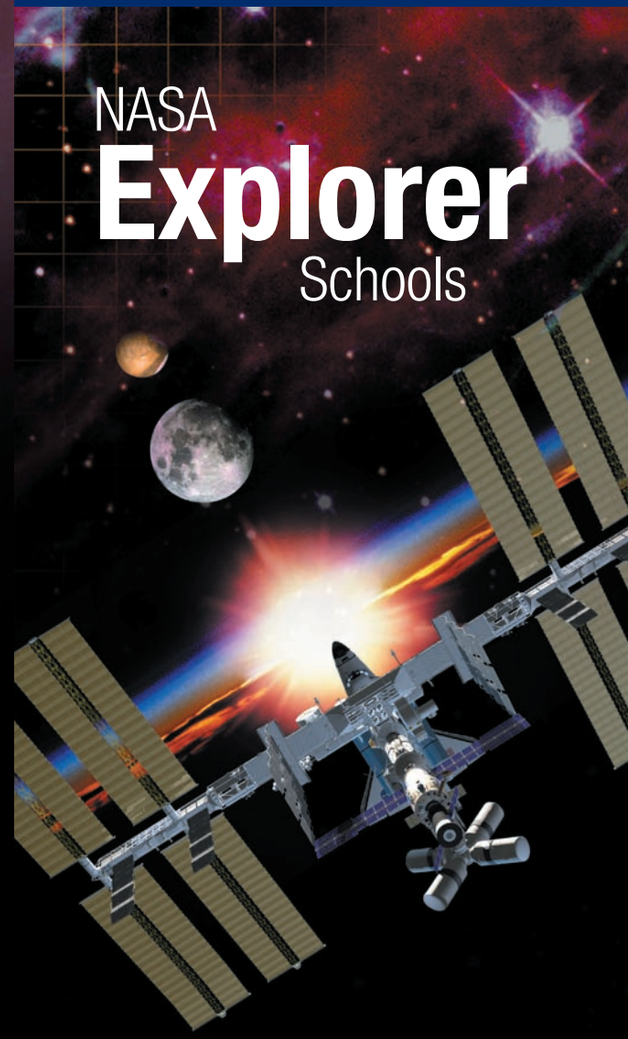
NASA Explorer Schools



Educational Program	
Educators	Grades 4–9

EP-2004-09-411-HQ

Inspiring the next generation of explorers
http://explorerschools.nasa.gov

A 3-Year Partnership Benefiting:

Educators/Administrators

1. Participate in and support customized, sustained professional development in the following:
   - science, technology, and mathematics content areas at grade levels 4–9;
   - the use of investigation, problem-solving, and design challenge teaching materials;
   - educational technology-based teaching/learning tools including NASA content resources; and
   - the use of the content discoveries of NASA to demonstrate the application of science, mathematics, and technology to meet school curriculum frameworks.
2. Attend an all-expenses-paid 1-week professional development workshop at 1 of the 10 NASA Field Centers and earn graduate or professional development credit.
3. Receive a $500 stipend for full participation in the summer workshop.
4. Receive a $500 stipend for implementing the team's action plan during the school year.

Families

1. Increase involvement in the child's education.
2. Access interactive online NASA learning adventures.
3. Participate in other special opportunities.

A NASA School Team consists of four educators and an administrator. This team will lead the local effort and participate in the NASA summer workshop and the ongoing professional development during the academic year. All team members must be U.S. citizens.

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Students

1. Participate in authentic NASA science and technology experiences.
2. Apply NASA science, mathematics, and technology knowledge to real-world issues and problems.
3. Access unique NASA resources and materials.
4. Learn about NASA careers in mathematics, science, engineering, and technology.

Schools

1. Be identified as a NASA Explorer School.
2. Partner with NASA to improve student learning.
3. Receive grants up to $17,500 (subject to availability of funds) to assist with the implementation of the NASA Explorer School team action plan.
4. Develop associations with professional education organizations.

Expectations:

Teams in the program will:

1. Develop strategic goals and an implementation plan that support the school's improvement initiatives.
2. Meet regularly to collaborate and reflect on the integration of NASA activities and programs.
3. Build leadership roles within the school and the community.
4. Implement strategies to involve families in their children's learning.
5. Promote a culture of learning within the team and the school.

All workshops and communications are in English.

Program Objectives:

1. Increase student interest and participation in science, mathematics, and technology.
2. Increase student knowledge about careers in science, mathematics, and technology.
3. Increase student ability to apply science, mathematics, and technology concepts.
4. Increase the academic assistance for and technology use by educators in schools with high populations of underserved students.
5. Increase the active participation and professional growth of educators in science, mathematics, and technology.
6. Increase family involvement in student learning.